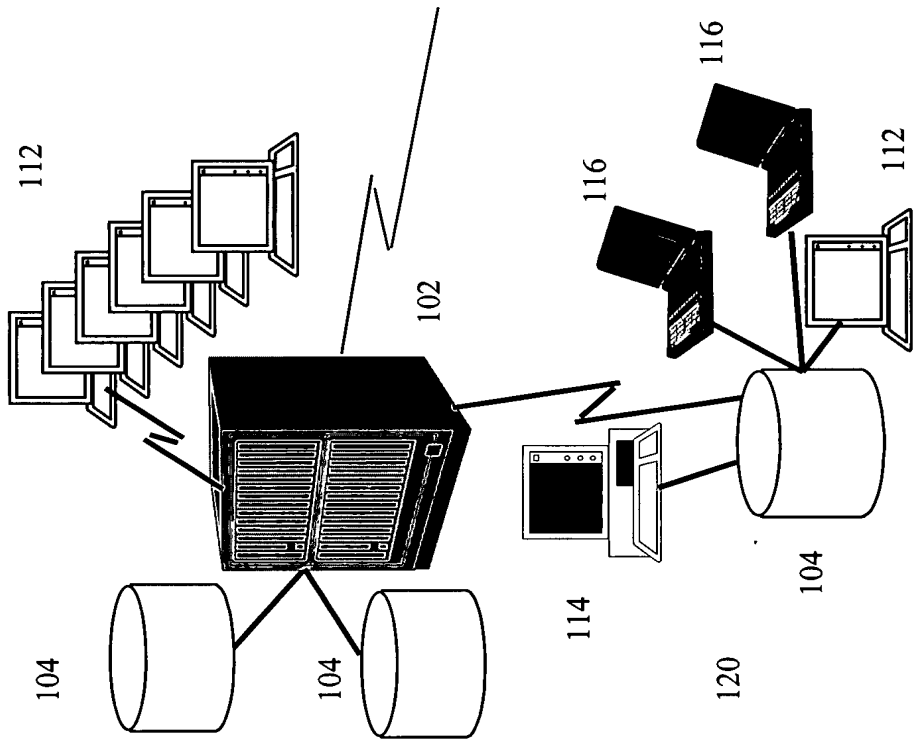


An Enterprise Computing Environment



Network

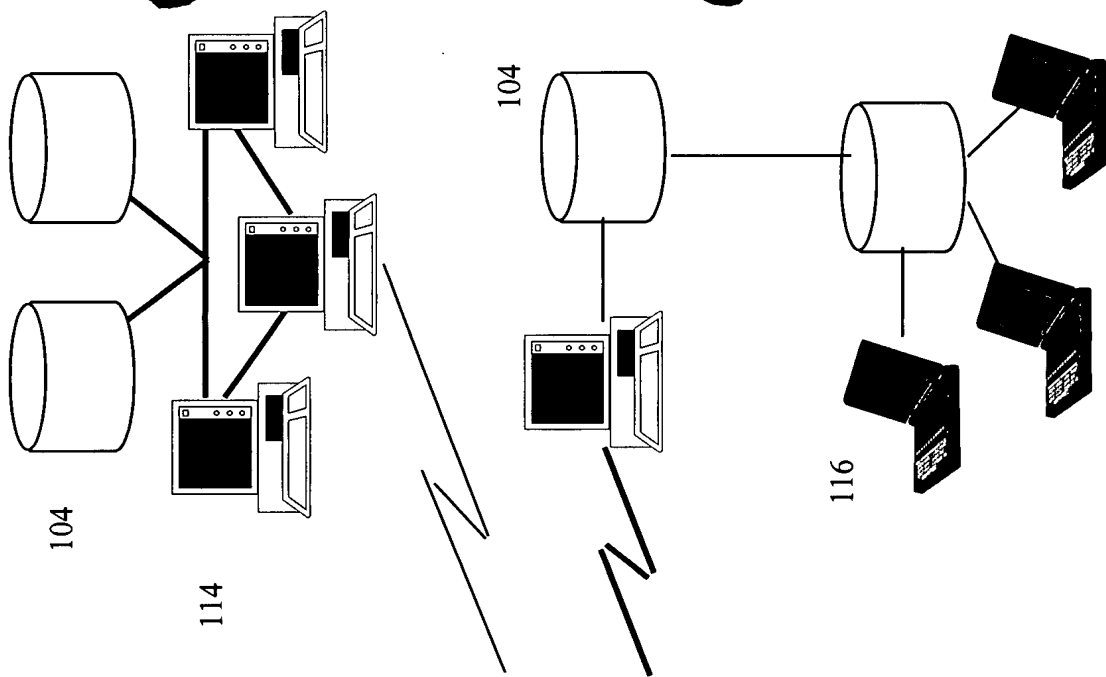


Figure 1

044343-1000

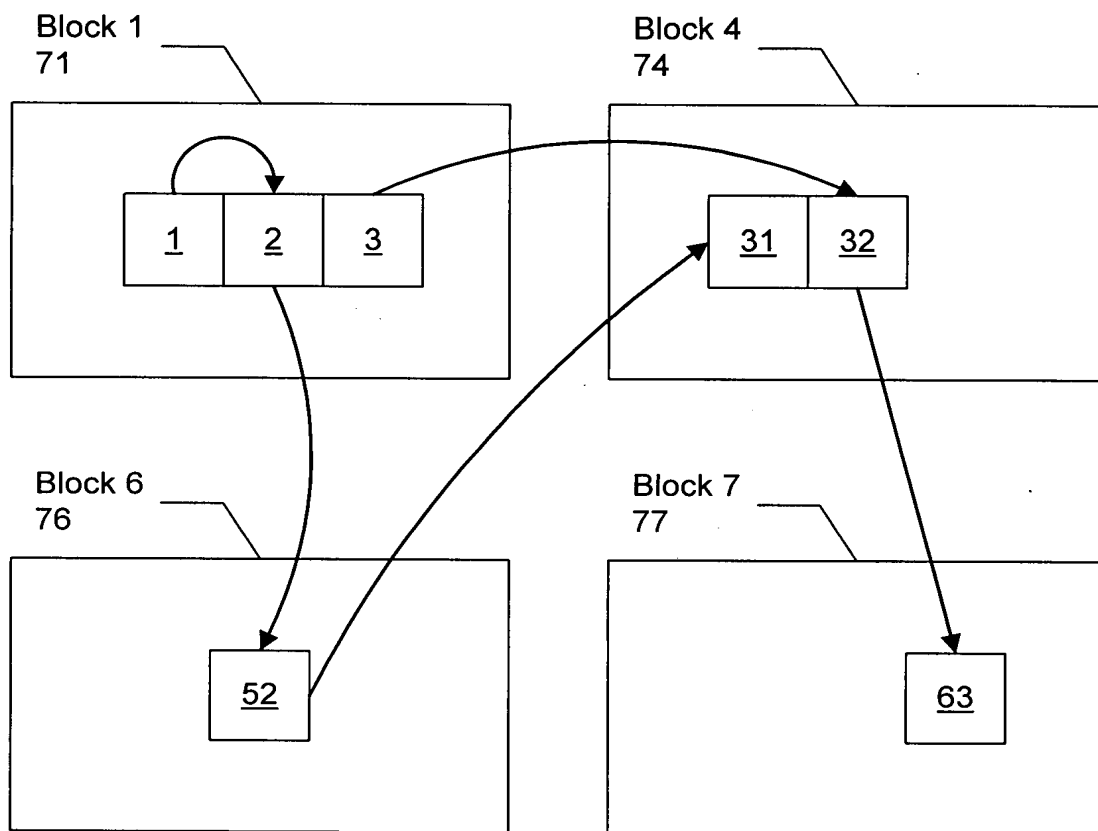


FIG. 2

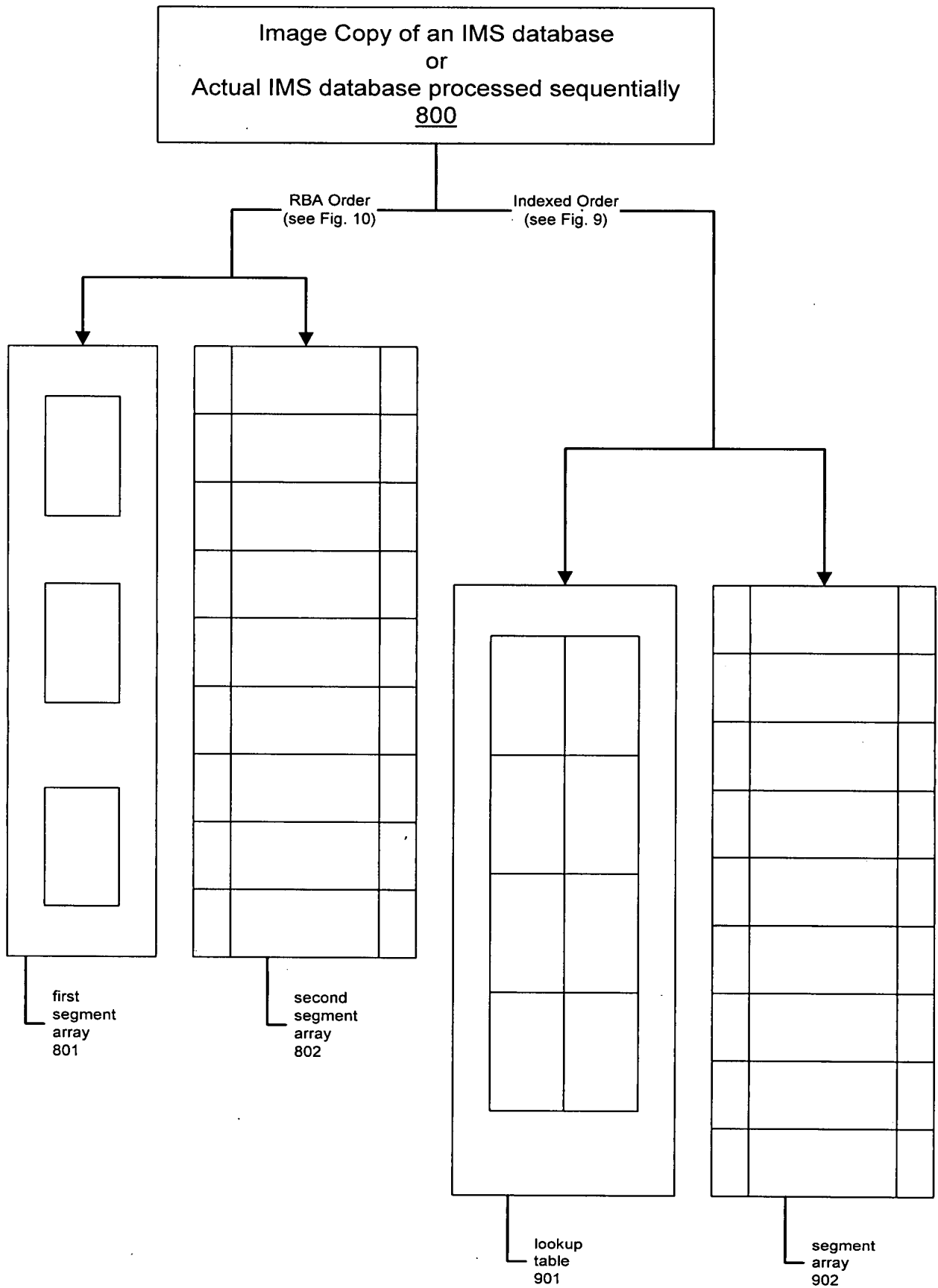


FIG. 3

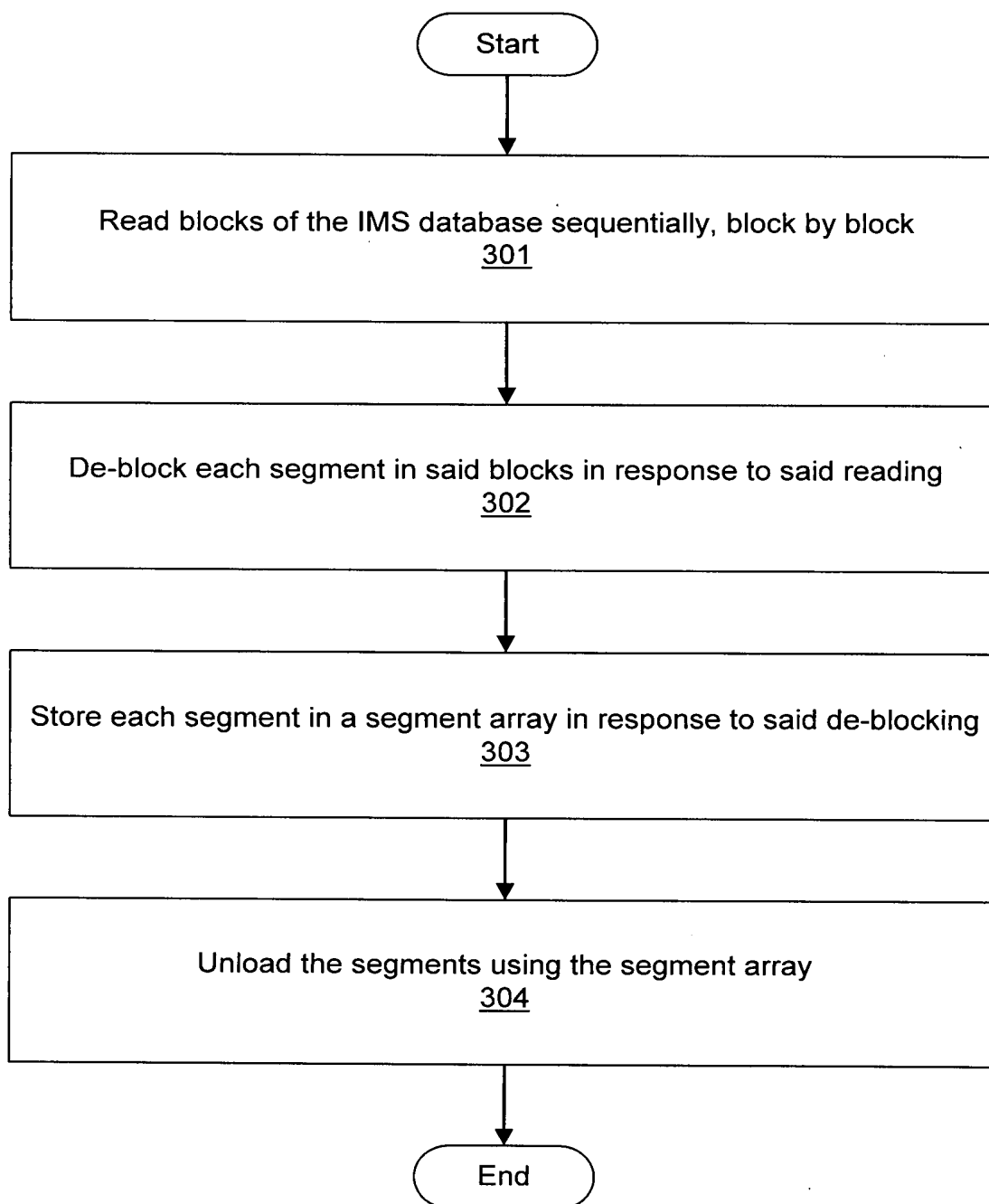


FIG. 4

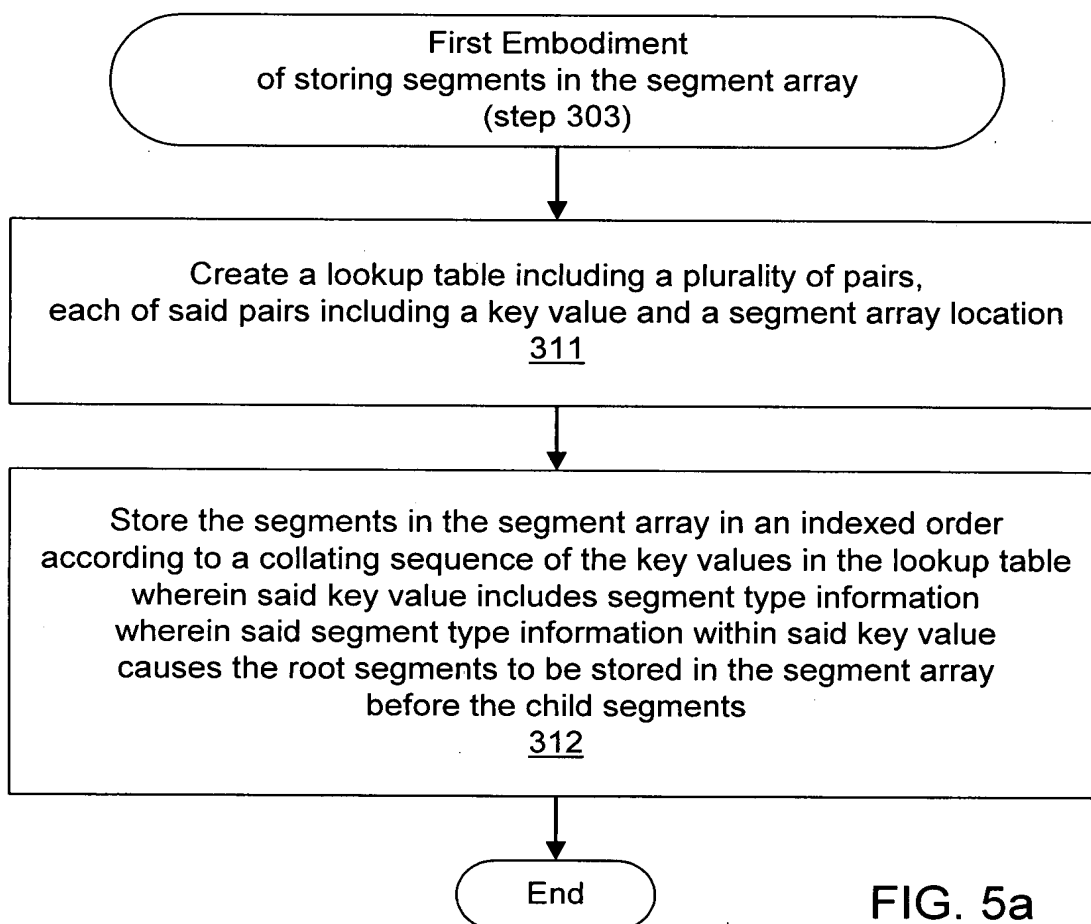


FIG. 5a

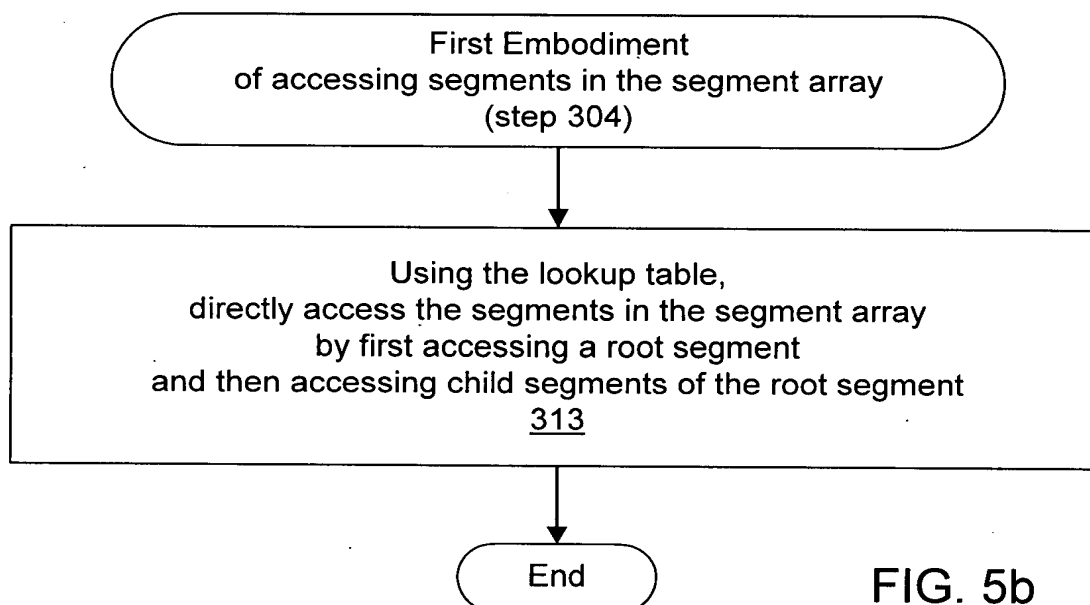


FIG. 5b

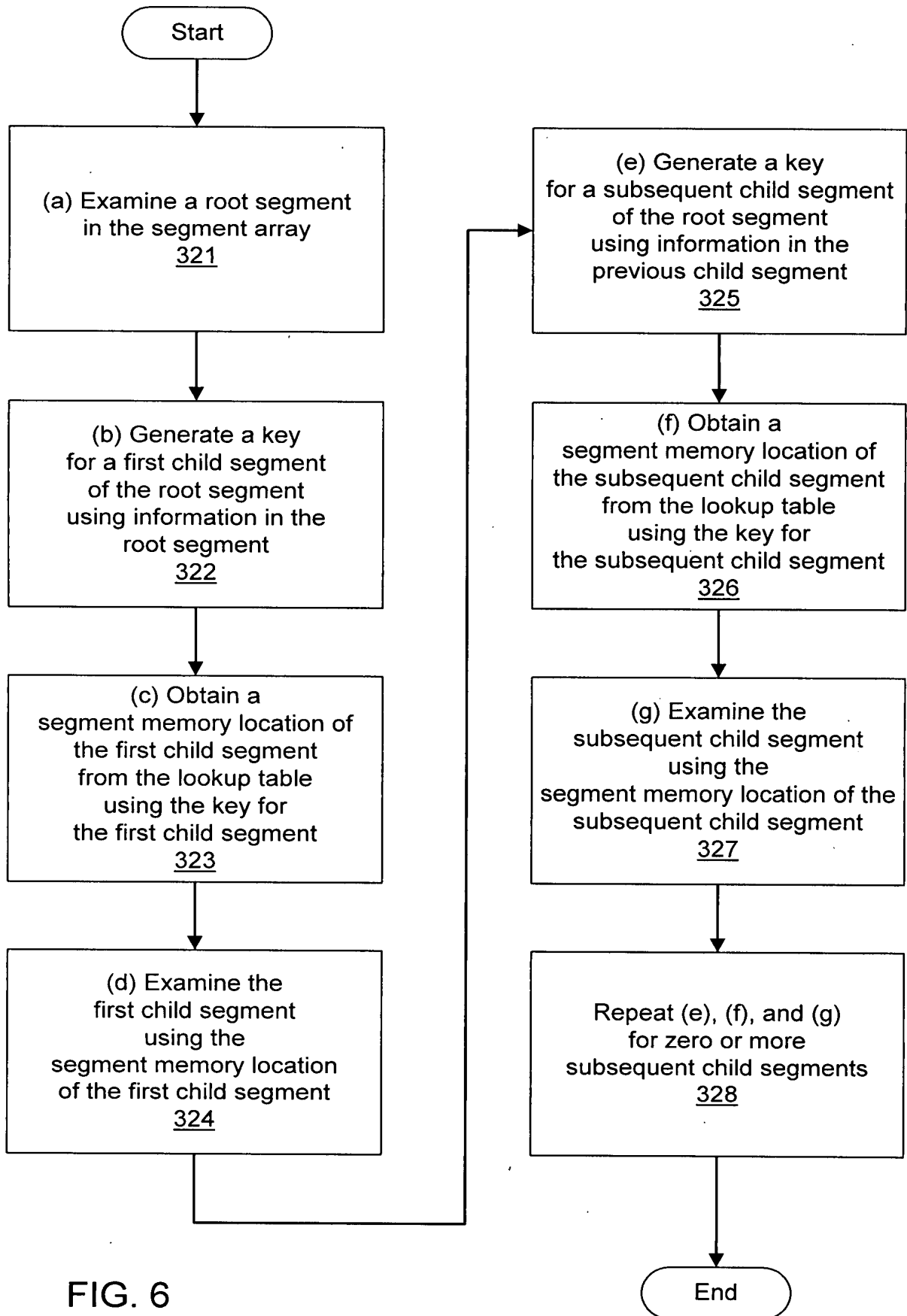


FIG. 6

Second Embodiment
of storing segments in the segment array
(step 303)

Create a first segment array for root segments
and a second segment array for child segments
351

Store the root segments in the first segment array
in a sequential order
352

Store the child segments in the second segment array
in a relative byte address (RBA) order
353

End

FIG. 7a

Second Embodiment
of accessing segments in the segment array
(step 304)

Directly access the segments in the segment arrays
by first accessing a root segment from the first segment array
and then accessing child segments of the root segment
from the second segment array
354

End

FIG. 7b

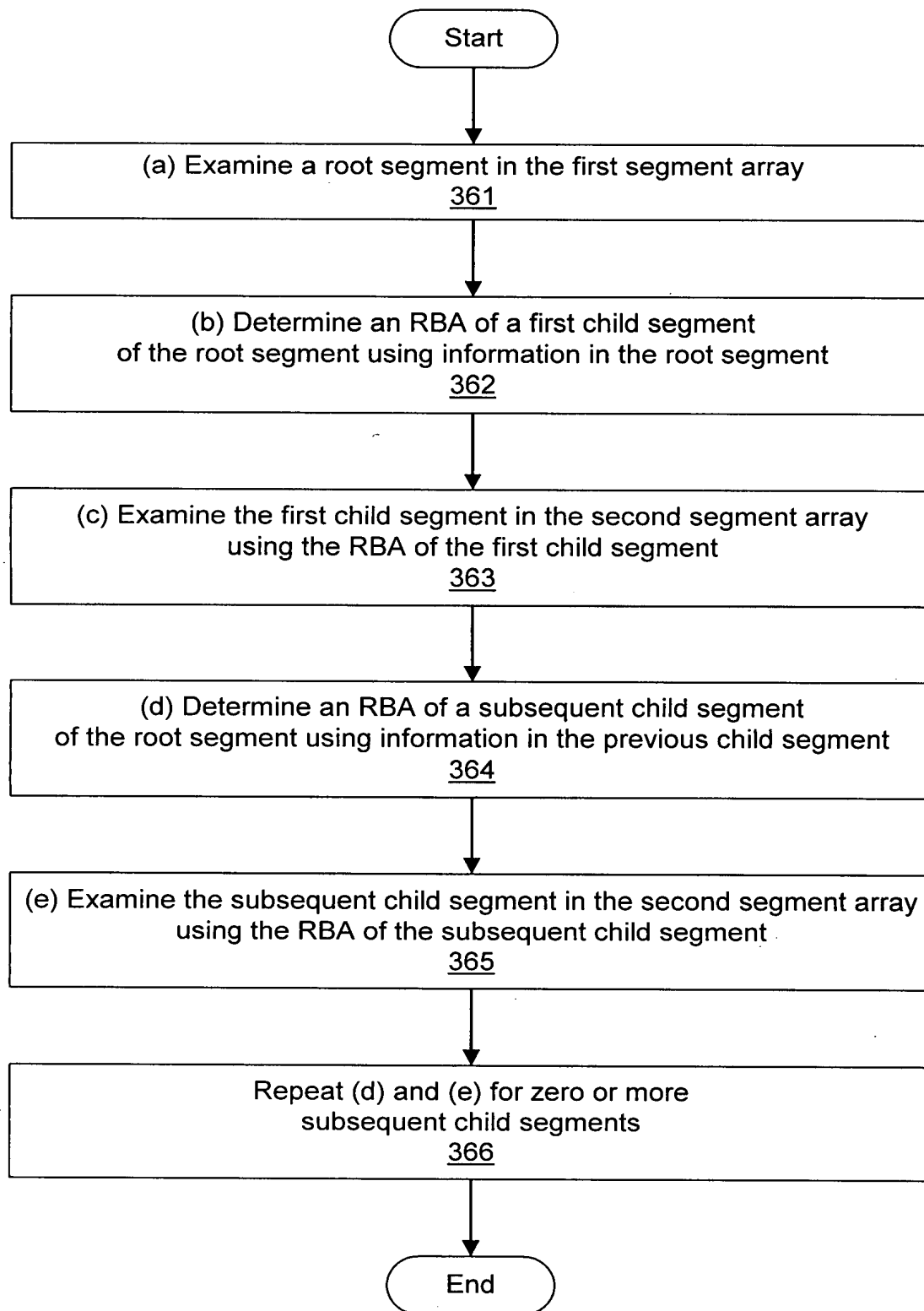


FIG. 8

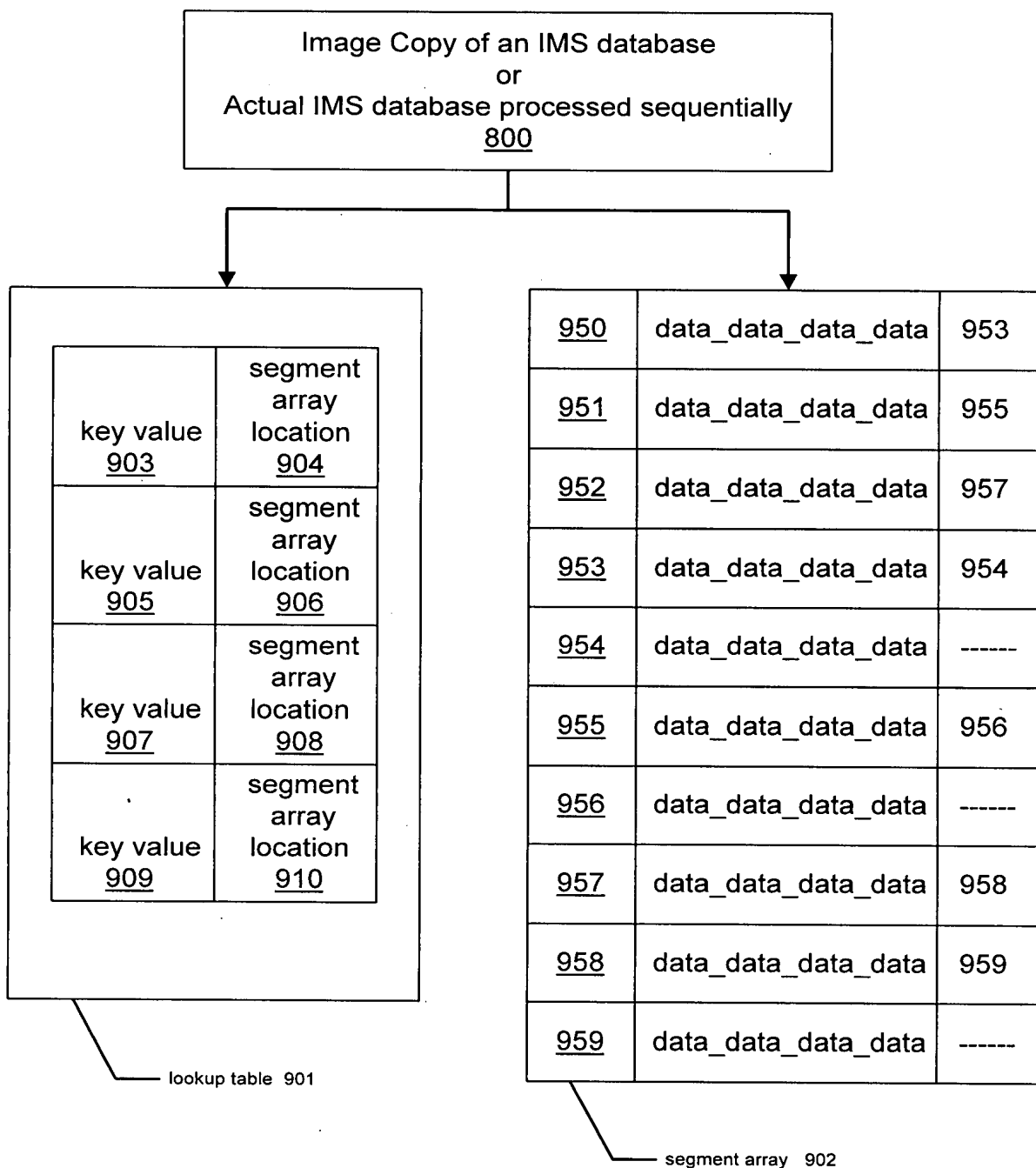


FIG. 9

800 801 802

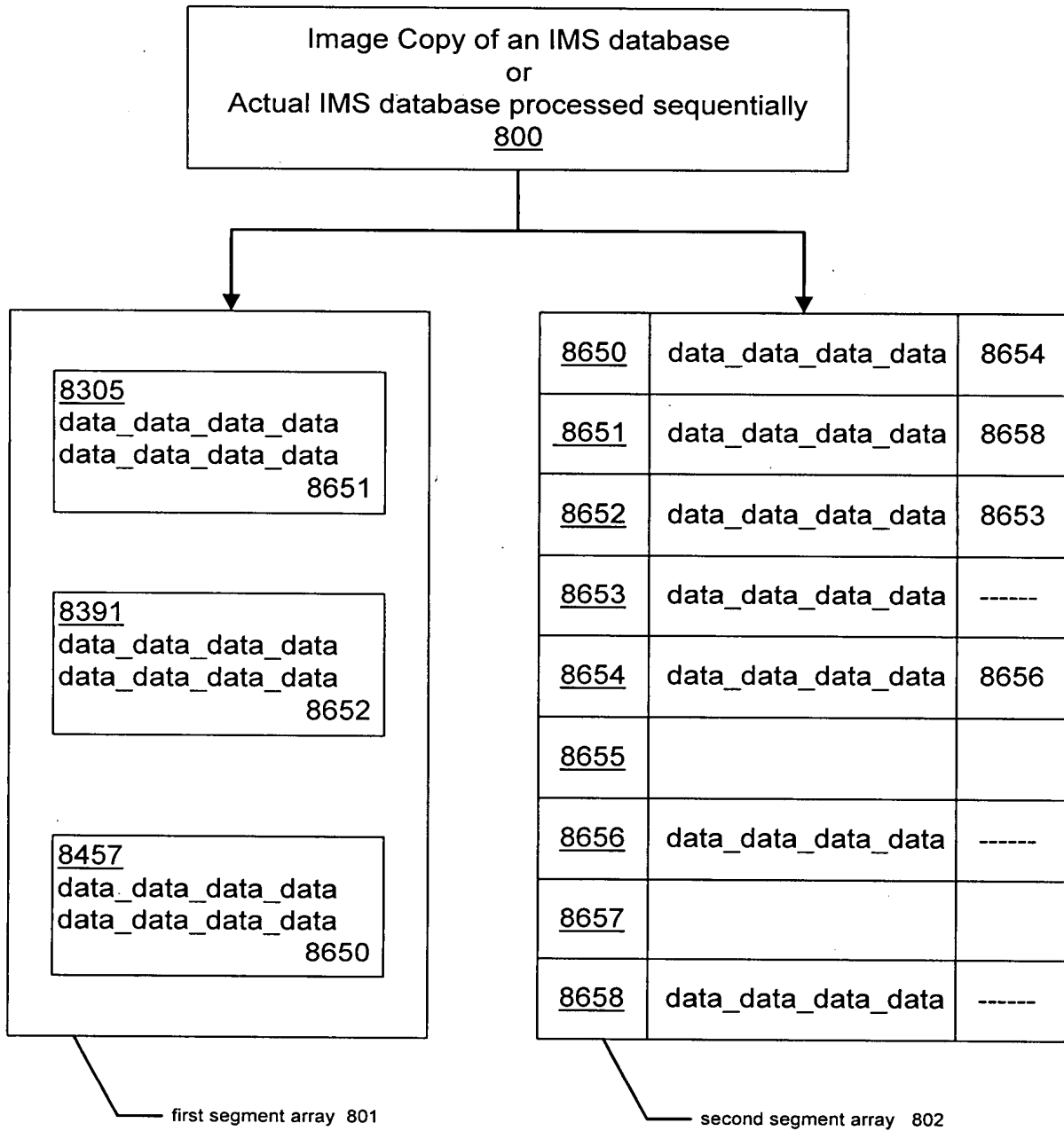


FIG. 10